

WHAT IS CLAIMED IS:

1. A medication delivery apparatus comprising:
an antistatic holding chamber comprising a plastic material having a surface resistivity of between about $10E10$ and about $10E12$ ohm/sq.
5
2. The apparatus of claim 1 wherein said plastic material comprises a polypropylene material.
3. The apparatus of claim 1 wherein said holding chamber has an input
10 end and an output end, and further comprising a backpiece separate from said holding chamber and comprising an elastomeric material having a surface resistivity of between about $10E10$ and about $10E12$ ohm/sq, wherein said backpiece is connected to said input end of said holding chamber.
- 15 4. The apparatus of claim 3 wherein said backpiece comprises an opening formed therethrough, said opening shaped and adapted to receive a portion of a pressurized metered dose inhaler.
5. The apparatus of claim 1 wherein said material comprises a
20 PermaStat® material.
6. The apparatus of claim 1 wherein said material is selected from the group consisting of polypropylene, polycarbonate, polystyrene, nylon, acrylonitrile butadiene styrene, high density polyethylene, acetal, polybutylene
25 terephthalate, and polyethylene terephthalate glycol.
7. The apparatus of claim 1 wherein at least a portion of said holding chamber is see-through.

8. The apparatus of claim 1 wherein said surface resistivity of said plastic material is between about $10E10$ and about $10E11$ ohm/sq.

5 9. A medication delivery apparatus comprising:
a holding chamber; and
a component separate from said holding chamber and comprising a material having a surface resistivity of between about $10E10$ and about $10E12$ ohm/sq, wherein said component is connected to said holding chamber.

10 10. The apparatus of claim 9 wherein said component comprises a mouthpiece connected to an output end of said holding chamber.

11. The apparatus of claim 9 wherein said component comprises a backpiece connected to an input end of said holding chamber.

15 12. The apparatus of claim 11 wherein said backpiece comprises an elastomeric material.

13. The apparatus of claim 9 wherein said holding chamber comprises a plastic material.

14. The apparatus of claim 13 wherein said plastic material has a surface resistivity greater than about $10E12$ ohm/sq.

25 15. The apparatus of claim 13 wherein said plastic material has a surface resistivity of between about $10E10$ and about $10E11$ ohm/sq.

16. The apparatus of claim 13 wherein said plastic material comprises a polypropylene material.

17. The apparatus of claim 11 wherein said backpiece comprises an opening formed therethrough, said opening shaped and adapted to receive a portion of a pressurized metered dose inhaler.

5 18. The apparatus of claim 11 wherein said material comprises a PermaStat® material.

19. The apparatus of claim 11 wherein said material comprises a thermoplastic elastomer material.

10

20. The apparatus of claim 9 wherein said material is selected from the group consisting of a polyurethane elastomer, polyester elastomer, styrenic elastomer and olefinic elastomer.

15 21. The apparatus of claim 9 wherein at least a portion of said component is see-through.

22. A method of delivering an aerosol medication comprising:
providing an antistatic holding chamber comprising a plastic
20 material having a surface resistivity of between about $10E10$ and about $10E12$ ohm/sq, said holding chamber comprising an input end and an output end;
introducing said aerosol medication into said holding chamber through said input end; and
inhaling said aerosol medication through said output end.

25

23. The method of claim 22 wherein said plastic material comprises a polypropylene material.

24. The method of claim 22 wherein said surface resistivity of said
30 plastic material is between about $10E10$ and about $10E11$ ohm/sq.

25. The method of claim 22 further comprising providing a backpiece separate from said holding chamber and connected to said input end of said holding chamber, said backpiece having an opening therethrough and comprising an elastomeric material having a surface resistivity of between about $10E10$ and about $10E12$ ohm/sq, and wherein said introducing said aerosol medication into said holding chamber through said input end comprises introducing said aerosol medication into said holding chamber through said opening in said backpiece.

26. The method of claim 25 further comprising providing a pressurized metered dose inhaler having a portion inserted into said opening in said backpiece, and wherein said introducing said aerosol into said holding chamber further comprises actuating said pressurized metered dose inhaler.

27. The method of claim 22 wherein said plastic material comprises a PermaStat® material.

28. The method of claim 22 at least a portion of said holding chamber is see-through.

29. A method of delivering a medication comprising:
providing an antistatic holding chamber; and a component separate from said holding chamber and comprising a material having a surface resistivity of between about $10E10$ and about $10E12$ ohm/sq, wherein said component is connected to said holding chamber;
introducing said medication into said holding chamber; and
delivering said medication from said holding chamber to a user;
wherein at least one of said introducing said medication into said holding chamber and said delivering said medication from said holding chamber comprises exposing said medication to a surface of said component.

30. The method of claim 29 wherein said surface resistivity of said material is between about $10E10$ and about $10E11$ ohm/sq.

5 31. The method of claim 29 wherein said component comprises a mouthpiece.

32. The method of claim 29 wherein said component comprises a backpiece.

10 33. The method of claim 32 wherein said backpiece comprises an elastomeric material.

34. The method of claim 29 wherein said holding chamber comprises a plastic material.

15

35. The method of claim 34 wherein said plastic material has a surface resistivity greater than about $10E12$ ohm/sq.

20 36. The method of claim 34 wherein said plastic material has a surface resistivity of between about $10E10$ and about $10E11$ ohm/sq.

37. The method of claim 34 wherein said plastic material comprises a polypropylene material.

25 38. The method of claim 32 wherein said backpiece comprises an opening formed therethrough, and further comprising providing a pressurized metered dose inhaler having a portion inserted into said opening in said backpiece, and wherein said introducing said medication into said holding chamber further comprises actuating said pressurized metered dose inhaler.

30

39. The method of claim 29 wherein said material comprises a PermaStat® material.

40. The method of claim 29 wherein said material comprises a thermoplastic elastomer material.

41. A medication delivery apparatus comprising:
an antistatic component comprising a see-through material having a surface resistivity of less than about $10E12$ ohm/sq.

10

42. The apparatus of claim 41 wherein said component comprises a holding chamber.

43. The apparatus of claim 41 wherein said surface resistivity is between about $10E6$ and $10E12$ ohm/sq.

15

44. The apparatus of claim 43 wherein said surface resistivity is between about $10E10$ and $10E12$ ohm/sq.

20

45. A medication delivery apparatus comprising:
an antistatic component comprising means for providing a surface resistivity of between about $10E10$ and $10E12$ ohm/sq.

46. The medication delivery apparatus of claim 45 wherein said antistatic component is selected from the group consisting of a holding chamber, a mouthpiece and a backpiece.

25